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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/919,727

07/31/2001

Stephen Ashcroft

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EXAMINER

PRIETO, BEATRIZ

ART UNIT

PAPER NUMBER

2142

DATE MAILED: 03/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/919,727	<b>Applicant(s)</b> ASHCROFT ET AL.	
	<b>Examiner</b> Prieto B.	<b>Art Unit</b> 2142	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***DETAILED ACTION***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/19/05 has been entered. Claims 1, 19 and 31 have been amended; claims 1-31 remain pending and have been examined as set forth below.

2. Claim rejection under second paragraph of 35 U.S.C. 112 previously raised of claims 1, 19 and 31, has been obviated by amendment and is thereby withdrawn.

***Claim Rejection under 103***

3. Quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action may be found in previous office action.

4. Claims 1-17, 19-29 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilson (US 6,697,815) in view of Ryan et. al. (US 2002/0130899) (Ryan hereafter)

Regarding claim 1, Wilson teaches substantial features of the invention, including

a "controller" servlet (204) receiving a request for a web page (col 5/lines 7-27) and invoking one of a plurality of handlers (210) associated with said requested web page (col 3/lines 64-col 4/line 12);

said plurality of "handlers" business program (210, col 6/lines 55-55) each performing a processing task associated with one of said plurality of web pages, including processing content required for said requested page (abstract, col 7/lines 55-61);

a handler associated with the one page generating output data "content" required for one web page (content col 8/lines 10-20, col 7/lines 55-67);

populating or storing in an UI model bean (206, col 6/lines 48-49) with said obtained content (col 7/lines 62-col 8/line 35, col 4/lines 13-15);

said controller invokes one of a plurality of “views” JSP (208, col 6/lines 50-52) for presenting said requested web page (col 8/lines 39-42), said view associated with one web page for receiving said content from said model bean (col 9/lines 26-34) and for presenting the one web page (col 8/lines 26-53, col 8/lines 43-44);

a view bean being accessed (invoked) a view associated with one web page for formatting “rendering” the one web page (step 260 of Fig. 2, col 8/lines 43-44);

wherein the “controller” servlet, plurality of handlers, the model bean, the plurality of views, a view bean reside on a server (col 6/lines 26-34); although Wilson teaches that the business processes invoked by the controller retrieve content required from the web page, it does not explicitly teach where the handler invokes a bean for performing this retrieval;

Ryan teaches a data bean for retrieving data from the database [0014, 0106], a data access layer 106h performing data retrieval, said data layer comprising data beans (106f, 106e) [0115].

a combination of presentation beans, data beans, and business related (e.g. advertisement) beans to build pages that are delivered to the consumers, where business logic is incorporated into the beans (abstract), wherein the higher layer is capable of implementing business logic, the higher layer being on the lower layer. Specifically, a “layered content bean” comprising a first “higher” layer (e.g. a presentation/control layer) and a second “lower” layer (e.g. application/data access layer), wherein the first layer comprises business logic beans for retrieving respective information (e.g. advertisement bean) [0014], the first layer comprising content related beans (e.g. presentation beans 108b) process business logic (rules both presentation and non-presentation or format related) [0130, presentation beans having business logic, see claim 46]. Thereby Ryan teaches a presentation layer that is capable of implementing business logic, where the presentation layer is on top of the application/data access layer).

It would have been obvious to one ordinary skilled in the art at the time the invention was made given Wilson teaching for retrieving content for building web pages, Ryan’s teachings for building web pages would be readily apparent. Specifically, given Wilson’s suggestion for separating program process as an invocable thread of a single daemon process. One would be motivated to combine the references teaches implementing business processes invoking data retrieval beans for retrieving content associated with a request, where business logic may be incorporated into a higher layer comprising the beans to allow the system to select content and displays based on the consumer, the consumer's product, network, geography, weather, co-brand, language, and locale, as suggested by Ryan (abstract) or the higher layer implementing *business rules that may include a non-presentation related rule* such as displaying wind chill when temperature is less than a certain specified temperature and displaying heat index when the temperature is more than a second temperature, as suggested by Ryan.

Regarding claim 2, said requested web page includes one parameter validated by a handler (Wilson: col 6/lines 3-14)

Regarding claim 3, wherein said request for said requested web page is subsequent to a link invocation “navigation” (Wilson: col 5/lines 7-50 validated by a handler col 5/lines 59-65).

Regarding claims 4, one of said plurality of handlers directs said controller to cause a different web page to be presented (i.e. handler corresponding to requested page Wilson: col 7/lines 55-61).

Regarding claim 5, one of said plurality of handlers directs said controller to invoke a different one of said plurality of views (bean/JSP) for presenting said requested web page (Wilson: col 8/lines 26-33).

Regarding claim 6-8, one of said handlers renders the requested web page (Wilson: col 7/lines 55-61); wherein said controller presents the requested of web page generated (Wilson: step 262 of Fig. 2); wherein each of said plurality of handlers is multithreaded (i.e. multiple programs each comprising a thread Wilson: col 7/lines 55-61, col 3/lines 31-34).

Regarding claim 9, wherein one content bean receives content from a database, see Wilson: col 5/lines 55-59, see Ryan: retrieving data from the database [0014, 0106], a data access layer 106h performing data retrieval, said data layer comprising data beans [0115].

Regarding claim 10, wherein said database system has a first interface requiring a translation to access database via said interface [Ryan: 0014, 0106].

Regarding claim 11, content beans each having a function, which is “layered”, i.e. each provide a distinct structure business function logic, [Ryan: 0014, 0130].

Regarding claims 12-13, “configuration file” UI record model bean including a series “list” of data objects for said one web page for inclusion in said at least one of said plurality of web pages (Wilson: col 8/lines 10-16), and wherein said content bean receives said list of data objects to retrieve (Ryan: 0014, 0130), and wherein different pages are generated by modifying the beans (e.g. model bean/JSP) (Wilson: col 9/lines 26-34).

Regarding claim 14, authorization requirements for said requested web page satisfies said authorization requirements (e.g. valid credit card or adequate credit, Wilson: col 7/lines 47-54).

Regarding claim 15, views are multithreaded (i.e. multiple programs each comprising a thread Wilson: col 7/lines 55-61, col 3/lines 31-34).

Regarding claims 16-17, JSP technology views (bean/JSP) for presenting said requested web page (Wilson: col 8/lines 26-33) and view beans formats the one of pages (Wilson: col 8/lines 43-44) into HTML (col 4/lines 19-24, col 6/lines 50-52).

Regarding claim 19, this method claim comprises substantially the same functions discussed on the system claim 1, same rationale of rejection is applicable.

Regarding claims 20-28, these method claims comprises are substantially the as discussed with respect to system claims 2-4, 9-14, respectively, same rationale of rejection is applicable.

Regarding claim 29, rendering includes formatting said requested web page into HTML (Wilson: formatting col 8/lines 43-44 into HTML col 4/lines 19-24, col 6/lines 50-52).

5. Claims 18 and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wilson in view of Ryan in further view of U.S. Patent No. 6,591,272 Williams.

Regarding claims 18 and 30, however the above-mentioned prior art does not teach language translation with respect to the generation of a requested web page.

Williams teaches the use of EJB or bean based scripts associated with business processes for translating content in response to a web page request (col 12/lines 19-30, col 21/lines 9-50 and col 27/lines 54-65).

It would have been obvious to one ordinary skilled in the art at the time the invention was made given the suggestion of Wilson for dynamically customized generating web pages in response to user request including invoking at least one view bean for rendering said requested web page, the teachings of Williams would be readily apparent. One would be motivated to include translation files generated to apply foreign language translation to multiple class files "model bean" storing database associated content

in response to an HTTP base user request also rendering retrieved content according to the capabilities of ultra-thin client, as suggested by Williams extending Wilson's

Regarding claim 31, this system claim is substantially the same as claim 1, same rationale of rejection is applicable, limitation further includes, wherein a "controller" servlet (204) receiving a request for a web page (col 5/lines 7-27) and invoking one of a plurality of handlers (210) associated with said requested web page (col 3/lines 64-col 4/line 12); and said controller invokes one of a plurality of "views" JSP (208, col 6/lines 50-52) for presenting said requested web page (col 8/lines 39-42), said view associated with one web page for receiving said content from said model bean (col 9/lines 26-34) and for presenting the one web page (col 8/lines 26-53, col 8/lines 43-44).

### ***Response to Arguments***

6. Regarding claims 1, 19 and 31, it is argued the applied prior art does not teach added limitation, namely, because the Wilson reference states that it's objective is the separation of the business software.

In response to the above-mentioned argument, applicant's interpretation of the applied prior art has been fully considered. Wilson discloses that while the examples discussed herein relate to situations in which the business software is resident on a separate, back-end computer, e.g., a mainframe, the business processing software could just as easily run on the Web server itself, as cited above.

The overall point of argument that programs residing on a server would be either novel or non-obvious over programs residing on several servers, to one of ordinary skill in the art, is not persuasive.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prieto, B. whose telephone number is (571) 272-3902. The Examiner can normally be reached on Monday-Friday from 6:00 to 3:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, Andrew T. Caldwell can be reached at (571) 272-3868. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3800/4700.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system, status information for published application may be obtained from either Private or Public PAIR, for unpublished application Private PAIR only (see <http://pair-direct.uspto.gov> or the Electronic Business Center at 866-217-9197 (toll-free).

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February 24, 2006

  
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